



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

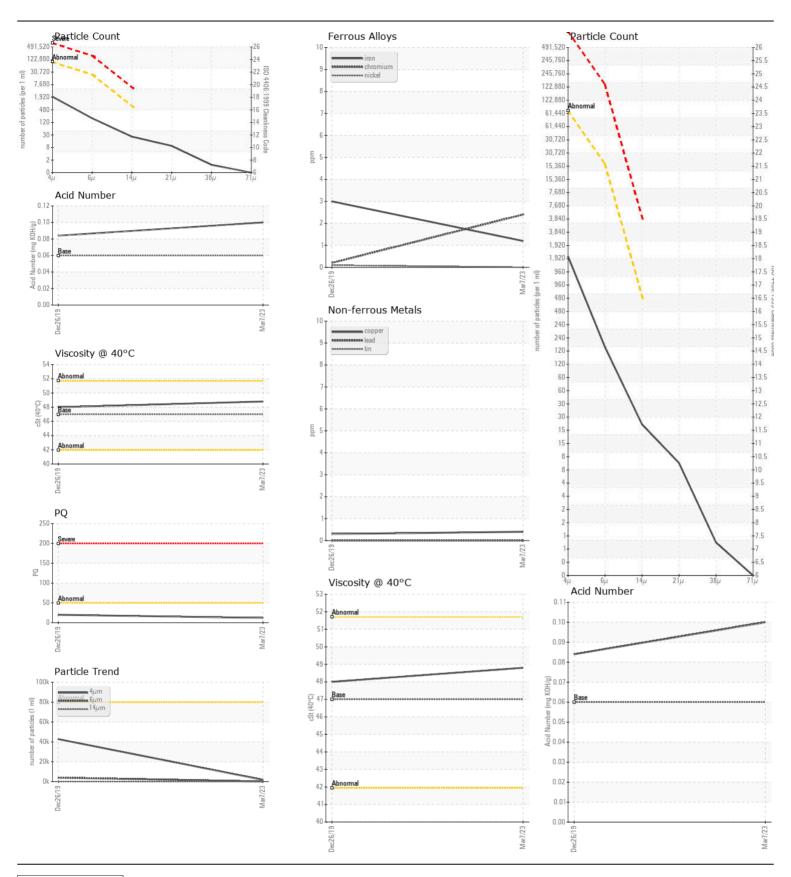


## JOHN DEERE 350G 1FF350GXCGF811323

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (77 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0040001	LEC0008884	
	Sample Date		Client Info		07 Mar 2023	26 Dec 2019	
	Machine Age	hrs	Client Info		4988	2828	
	Oil Age	hrs	Client Info		2160	6	
	Filter Age	hrs	Client Info		2156	6	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
MEAD	PQ		ASTM D8184	<u> </u>	12	20	
WEAR	Iron	ppm	ASTM D5185m		1	3	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2	<1	
	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium	ppm	ASTM D5185m	70	0	0	
	Silver	ppm	ASTM D5185m		<1	<1	
	Aluminum	ppm	ASTM D5185m	>9	<1	<1	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		1	2	
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0	3	
	Water		WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		1784	42817	
	Particles >6µm		ASTM D7647		166	4050	
	Particles >14μm		ASTM D7647		22	82	
	Particles >21µm		ASTM D7647		8	11	
	Particles >38µm		ASTM D7647		1	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		18/15/12	23/19/14	
	Silt Debris	scalar	*Visual *Visual	NONE	NONE	NONE NONE	
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.075	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1	0	
	Boron	ppm	ASTM D5185m		0	<1	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	<1	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		4	1	
	Calcium	ppm	ASTM D5185m		121	11	
	Phosphorus	ppm	ASTM D5185m		598	613	
	Zinc	ppm	ASTM D5185m		49	9	
	Sulfur	ppm	ASTM D5185m		164	39	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.10	0.084	
	Visc @ 40°C	cSt	ASTM D445	47	48.8	48.0	





Report Id: SAFDIL [WUSCAR] 05787229 (Generated: 06/19/2024 12:49:41) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0040001 Lab Number : 05787229

Unique Number: 10371900

Received **Tested** 

: 10 Mar 2023 : 11 Mar 2023 - Don Baldridge Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 09 Mar 2023

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

SAFECO ENVIRONMENTAL 3082 SOUTH HWY 88 DILLINER, PA

US 15327 Contact: B JORDAN

bjordan@safecoservices.com

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